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May 20, 1999

WRITER'S DIRECT NUMBER: (202) 789-5525
INTERNET ADDRESS:
BRIAND@SKGF.COM

Assistant Commissioner for Patents Washington, D.C. 20231

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Re:

U.S. Utility Patent Application

Appl. No. 09/245,025; Filed: February 5, 1999

For: Compositions and Methods for Reverse Transcription of Nucleic Acid

Molecules

Inventors: GERARD et al.

Our Ref: 0942.4330003/RWE/BJD

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Information Disclosure Statement (in duplicate);
- 2. Form PTO-1449 (20 pages); and
- 3. One return post card

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

STERNE. KESSLER. GOLDSTEIN & FOX P.L.L.C.

Assistant Commissioner for Patents May 20, 1999 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Sterne, Kessler, Goldstein & Fox P.L.L.C.

Brian J. Del Buono Agent for Applicants Registration No. 42,473

RWE/BJD/dmb Enclosures

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

GERARD et al.

Appl. No. 09/245,025

Filed: February 5, 1999

For: Compositions and Methods for Reverse Transcription of Nucleic

Acid Molecules



Art Unit: 1643

Examiner: To be assigned

Atty. Docket: 0942.4330003/RWE/BJD

Information Disclosure Statement

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Copies of the cited documents were provided to the Office in Application No. 09/064,057, filed April 22, 1998, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached hereto. 37 C.F.R. § 1.98(d).

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

The Examiner's attention is directed to the following commonly owned, co-pending U.S. applications, which concern related technical subject matter:

Application No.	Filing Date	Docket No.
08/798,458	February 10, 1997	0942.0490007
09/054,485	April 3, 1998	0942.4370001
09/076,115	May 12, 1998	0947.4350001
09/220,329	December 24, 1998	0942.0490009
09/220,330	December 24, 1998	0942.0490008

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to the applications now or upon issuance of the present application as a patent.

The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination of the present application.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

This Information Disclosure Statements is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono Agent for Applicants Registration No. 42,473

Date: May 20, 1999

1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934 (202) 371-2600

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FORM PTO-1449



ATTY. DOCKET NO. 0942.4330003

APPLICATION NO. 09/245,025

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	AB1	4,88	9,818	12/26/1989	Gelfand et al.	435	194	06/17/1987
	AC1	4,96	5,188	10/23/1990	Mullis <i>et al</i> .	435	6	06/17/1987
i	AD1	5,24	4,797	09/14/1993	Kotewicz et al.	435	194	03/18/1991
	AE1	5,31	0,652	05/10/1994	Gelfand et al.	435	6	06/24/1993
NPC.	AF1	5,32	2,770	06/21/1994	Gelfand, D.H.	435	6	12/22/1989
	AG1	5,37	4,553	12/20/1994	Gelfand et al.	435	252.3	08/13/1990
	A11	5,40	5,776	04/11/1995	Kotewicz et al.	435	252.33	01/24/1992
me	AI1	5,40	7,800	04/18/1995	Gelfand et al.	435	6	06/17/1993
	AJ1	5,43	6,149	07/25/1995	Barnes, W.M.	435	194	02/19/1993
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	AS	1	Abbotts, J., May 1993).	, et al., "Mechan	ism of HIV-1 Reverse Transcrip	ptase," J.	Biol. Chem. 268	:10312-10323
We	AT	1	Alexander, F Recombinant	., et al., "Proto Proteins Reveals	eolytic Processing of Avian Sa Another pol Gene Domain," J .	arcoma and Virol. 61:	Leukosis Viruse :534-542 (Februa	es <i>pol-endo</i> bry 1987).

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

EXAMINER

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Page 6 of 20 ATTY. DOCKET NO. 0942.4330003 APPLICATION NO. 09/245,025 FORM PTO-1449 APPLICANT APPLICANT GERARD, et a INFORMATION DISCLOSURE STATEMENT FILING DATE **GROUP** 1999 PADE 1643 February 5, U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE INITIAL AA AB AC AD ΑE ΑF AG Α1 ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS TRANSLATION DOCUMENT NUMBER DATE COUNTRY INITIAL Yes ΑL No Yes No AM Yes No AN Yes No AO Yes ΑP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Gerard, G.F., "Reverse Transcriptase: A Historical Perspective," FOCUS 20(3):65-67 (Fall 1998). AR 6 Grandgenett, D.P., et al., "A Single Subunit from Avian Myeloblastosis Virus with Both RNA-Directed DNA Polymerase and Ribonuclease H Activity," Proc. Natl. Acad. Sci. USA 70:230-234 AS <u>6</u> (January 1973). Grandgenett, D.P., et al.. "Large-Scale Purification of Ribonucleic Acid Tumor Viruses by Use of ΑT <u>6</u> Continuous-Flow Density Gradient Centrifugation, # Appl. Microbiol. 26:452-454 (September 1973). DATE CONSIDERED **EXAMINER**

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citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT ATTY. DOCKET NO. 147 2 0 APPL I CANT

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Page 9 of 20 ATTY. DOCKET NO. APPLICATION NO. 0942.4330003 09/245,025 FORM PTO-1449 APPL I CANT GERARD, et al INFORMATION DISCLOSURE STATEMENT FILING DATE **GROUP** February 5, 1999 1643 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE INITIAL AA AB AC AD ΑE ΑF AG Α1 ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER COUNTRY SUB-CLASS TRANSLATION INITIAL DOCUMENT NUMBER DATE CLASS Yes ΑL No Yes No AM Yes AN No Yes ΑO No Yes No AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Johnson, M.S., $et\ al.$, "Computer analysis of retroviral pol genes: Assignment of enzymatic functions to specific sequences and homologies with nonviral enzymes," $Proc.\ Natl.\ Acad.\ Sci.$ 9 USA 83:7648-7652 (October 1986). Kanaya, S., et al., "Identification of the Amino Acid Residues Involved in an Active Site of 9 Escerichia coli Ribonuclease H by Site-directed Mutagenesis," J. Biol. Chem. 265:4615-4621. Kawa, S., et al.. "Expression and Purification of the HIV-1 Reverse Transcriptase Using the ΑT 9 Baculovirus Expression Vector System," Prot. Exp. Purif. 4:298-303 (August 1993). DATE CONSIDERED **EXAMINER**

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APPLICATION NO. 09/245,025

GERARD, et al.

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